

Heat-proof cables with Polyimide dielectrics



Features

Heat-proof semi-rigid cables, using polyimide as dielectric cores instead of PTFE, have been developed to be used in high temperature circumstances.

Compare to the standard semi-rigid cables using PTFE as dielectric cores, heat-proof semi-rigid cables seldom get influence of soldering heat.

Under the high temperature up to 300 degree C, heat-proof cables offer stable performance in physical and electric point of view.



Specifiction

Part number		SC-086/50 -SS-SS-PI	SC-119/50 -SS-SS-PI	SC-160S/50 -SS-SS-PI	SC-219/50 -SS-SS-PI
Outer Conductor	Material	Stainless steel (SUS304)			
	OD [mm]	0.86±0.05	1.19±0.05	1.60±0.05	2.19±0.05
Dielectric	Material	Polyimide			
	OD [mm]	0.66±0.05	0.94±0.0254	1.24±0.0254	1.64±0.0254
Center Conductor	Material	Stainless steel (SUS304)			
	OD [mm]	0.15±0.013	0.22±0.013	0.291±0.013	0.39±0.013
Characteristic Impedance [Ω]		50±3.0	50±2.0	50±2.0	50±2.0
Voltage withstanding VRMS (60Hz)		2000	2000	2000	2500
Max. Operating Frequency [GHz]		151	91	69	52
Attenuation [dB/m] at 20°C	0.5 GHz	10.5	7.3	5.8	4.5
	1.0 GHz	15.4	10.9	8.7	6.9
	5.0 GHz	39.1	29.3	24.4	20.5
	10.0 GHz	(60.4)	(46.7)	(39.8)	(34.2)
Max. Operating Temperature[°C]		300	300	300	300

- Custom order cables available.
- Compatible with SR connectors.



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